

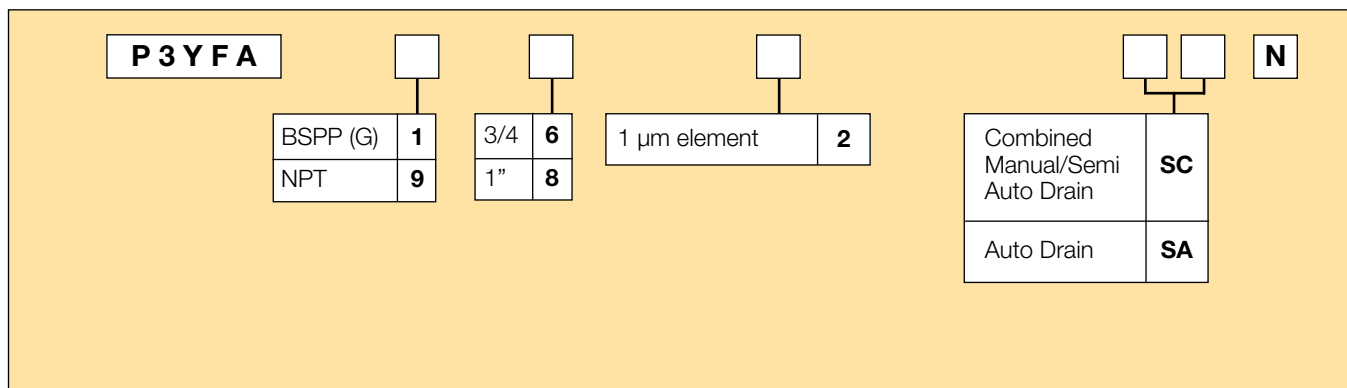
**Dust Filter**



- Extended dust filter element provides greater filtration surface area.
- Integral 3/4 or 1" ports (BSPP & NPT)
- Removes dust particles
- Dust free air for critical applications, such as air gauging, pneumatic instrumentation and control

**Note:** To optimise the life of the dust 1µm element, it is advisable to install a P3YFA pre-filter with a 5 or 40 micron element upstream of the coalescing filter.

**Options:**



Port size	Description	Order Code	Flow dm <sup>3</sup> /s *	Max bar	Min temp °C	Max temp °C	Bowl capacity cm <sup>3</sup>	Height mm	Width mm	Depth mm	Weight kg
3/4	Dust Filter 1µm, Combined manual/semi auto drain	<b>P3YFA162SCN</b>	137	17.5	-10	60	130	360	90	94	1.6
3/4	Dust Filter 1µm, auto drain	<b>P3YFA162SAN</b>	137	17.5	-10	60	130	360	90	94	1.6
1"	Dust Filter 1µm, Combined manual/semi auto drain	<b>P3YFA182SCN</b>	145	17.5	-10	60	130	360	90	94	1.6
1"	Dust Filter 1µm, auto drain	<b>P3YFA182SAN</b>	145	17.5	-10	60	130	360	90	94	1.6

\* flow with 6,3 bar inlet pressure and 0,5 pressure drop



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**Technical Information**

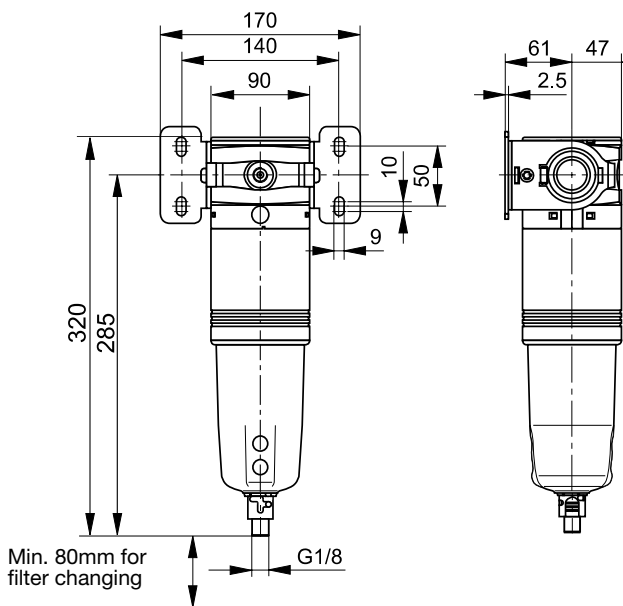
Fluid:	Compressed air
Maximum inlet pressure*:	17.5 bar
Temperature range*:	-10°C to +60°C
Typical flow element @ 6,3 bar inlet pressure and 5 bar pressure drop:	145 dm <sup>3</sup> /s
Manual/Semi-auto drain:	Bowl pressure to close drain 0.8 bar G1/8" thread
Auto drain: bowl pressure to close drain Operating range manual override facility (depress pin)	0.8 bar 0.8 to 17.5 bar Ø 10mm brass connection
Bowl sump capacity:	130 cm <sup>3</sup>

\* Air supply must be dry enough to avoid ice formation at temperatures below +2°C

**Material Specification**

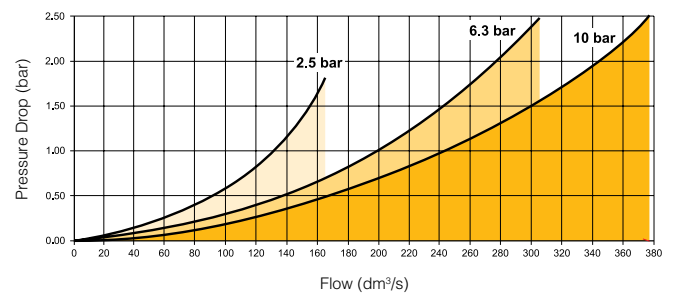
Body:	Aluminium
Sight glass:	Polypropylene
Filter cover:	ABS
Seals:	Nitrile NBR
Drains:	Manual / Semi-auto: Acetal Automatic: PA / Brass connection
Coalescing element:	Borosilicate & Nano fibres
Top & bottom end cap:	Aluminium
Support cylinders:	Grade 430 stainless steel
Support media:	Polypropylene
Ensapulate:	Epoxy resin / Hardener

**Dimensions (mm)**



**Flow characteristics**

**(1") 1µm Dust Filter Saturated**



**Service kits**

Description	Order code
1 micron coalescing element kit	<b>P3YKA00ES9</b>
Bowl kit with combined manual/semi auto drain	<b>P3YKA00BSC</b>
Bowl kit with auto drain	<b>P3YKA00BSA</b>